AV-8B Joint Mission Planning System (AVJMPS)

Combined Test Team Meeting

Gordon Kollman

Project Engineer

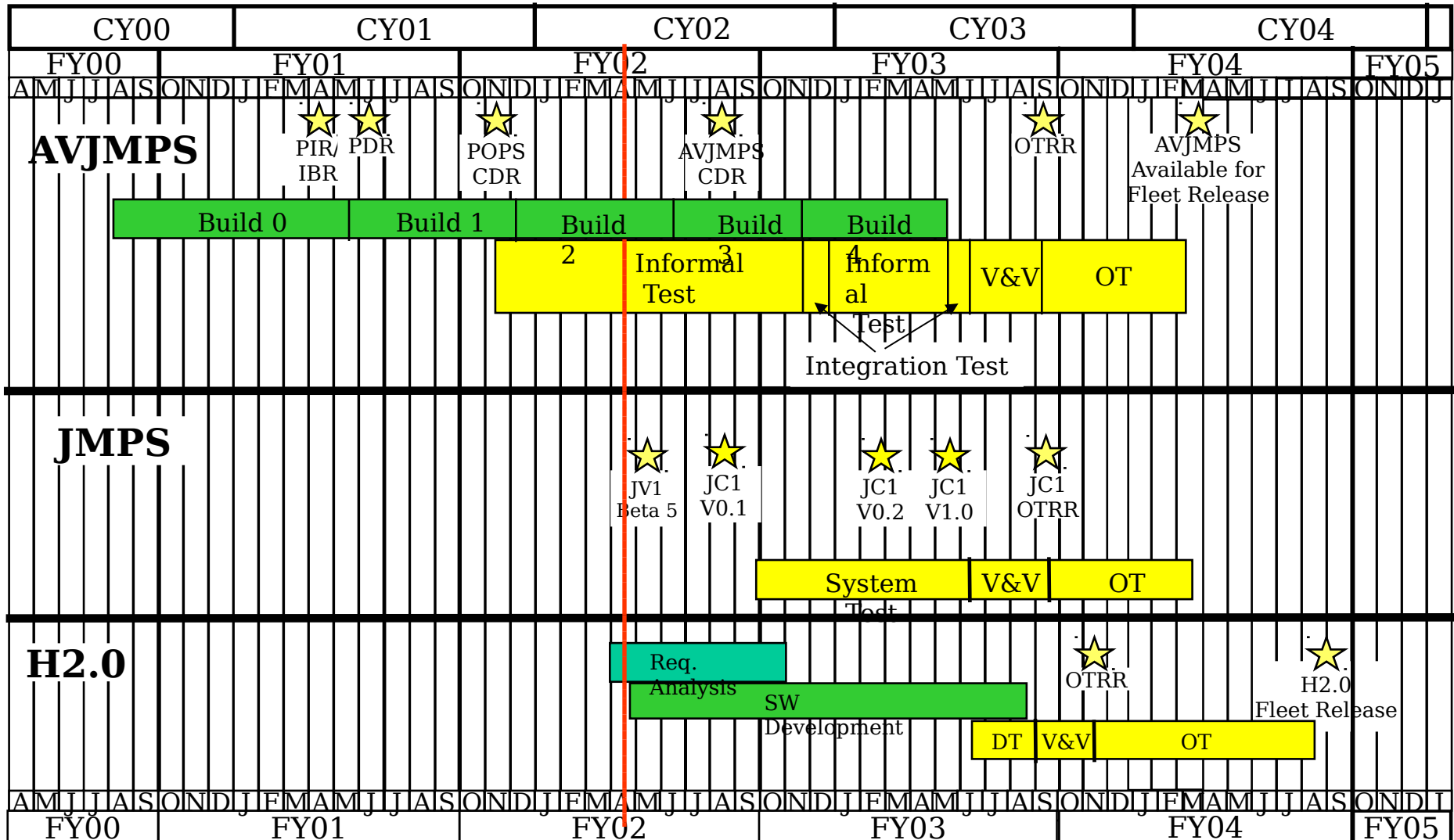**NAWCWD AV-8B JSSA**

10 July 2002

AVJMPS Team

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- AV-8B JSSA - NAWC China Lake
  - Project Engineer – Gordon Kollman (760)-939-4202
  - Lead System Engineer – Eric Nelson (760)-939-9670
  - Lead Software Engineer – Dave Breitigam (760)-939-8137

AVJMPS Schedule

CY00	CY01	CY02	CY03	CY04

FY00	FY01	FY02	FY03	FY04	FY05

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AVJMPS

★ PIR/ IBR
★ PDR
★ POPS CDR
★ AVJMPS CDR
★ OTRR
★ AVJMPS Available for Fleet Release

Build 0 | Build 1 | Build 2 | Build 3 | Build 4

Informal Test

Informal Test

V&V | OT

Integration Test

JMPS

★ JV1 Beta 5
★ JC1 V0.1
★ JC1 V0.2
★ JC1 V1.0
★ JC1 OTRR

System Test | V&V | OT

H2.0

Req. Analysis

SW Development

★ OTRR
★ H2.0 Fleet Release

DT | V&V | OT

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FY00	FY01	FY02	FY03	FY04	FY05

Informal Integration Test

- Developmental builds with limited functionality
  - Periodically released to test and systems engineering (~ every 2 monts)
- Test to nominal case scenarios
- Dry run TWDs (Test Work Description = test procedure)
- Problems reported to software engineering
  - Fixes put in subsequent developmental build

Formal Integration Test

- Software baseline established for the final deliverable software for each build

- Test to nominal case scenarios

- TWDs for new functionality

- Regression testing for functionality from previous builds

- Problem Reports (PRs) written and submitted to the PR/CR Review Board for disposition

Formal V&V

- Complete set of TWDs that verify all requirements

- Nominal test scenarios that validate the requirements

- Begins after formal integration test for final build (Build 4).

Testing Milestones

- Build 3
  - Software Complete – 11/22/02
  - Integration Testing Complete – 12/22/02
- Build 4
  - Software Complete 5/15/03
  - Integration Testing Complete 6/15/03
- Formal V&V
  - Start 6/16/03
  - Complete 9/15/03